

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS

1. (Previously Presented) A method for transmitting text and/or binary information representing a short message (SM) in addition to voice information for a talker and at least one listener of a Voice Group Call (VGC), comprising the step of sending a special, dedicated signal to all listeners and to the talker in a network, wherein the SM will be addressed by an associated Voice Group Call reference representing a concatenated sequence of a group identification (ID) and a group call area identification (ID).
2. (Previously Presented) The method according to claim 1, wherein the short message is sent in unacknowledged mode.
3. (Previously Presented) The method according to claim 1, wherein the special dedicated signal is a short message-mobile terminated (SM-MT).
4. (Currently Amended) The method according to claim 1, wherein the SM follows the structure of a regular Point-to-Point – Short Message Service in parallel to an ongoing Point-to-Point - Voice or Point-to-Point – ~~Call Service~~ Circuit Switched Data Call.
5. (Previously Presented) The method according to claim 1, wherein the SM is sent from the current talker to the network in form of a short message-mobile originated (SM-MO).
6. (Previously Presented) The method according to claim 5, wherein the SM-MO is sent in acknowledged mode.

7. (Canceled)

8. (Previously Presented) The method according to claim 1, wherein if the talker is sending the SM and during the sending the talker intends to end his speaking, a Mobile Station (MS) will hold uplink until the SM is sent completely to the network.

9. (Previously Presented) A method for transmitting text and/or binary information representing a short message (SM) in addition to voice information for a talker and at least one listener of a Voice Group Call (VGC), comprising the step of sending a special, dedicated signal to all listeners and to the talker in a network, wherein a Short Message Entity (SME) in the network requests a short message Service Center (SC) to send the SM to members of the VGC, the SC interrogates a Group Call Register (GCR) in order to retrieve routing information of an Anchor - Mobile Switching Center (Anchor-MSC) for this VGC, the SC forwards the SM to the appointed Anchor-MSC for this VGC, the Anchor-MSC itself forwards the SM to all base station subsystems (BSS) partaking in the VGC and in addition to all Relay – Mobile Switching Centers (Relay-MSCs), the Relay-MSCs send the SM to all respective BSS for this VGC, which transmit it to the listeners.

10. (Previously Presented) The method according to claim 1, wherein the talker sends the SM via a Slow Associated Control Channel (SACCH) of a respective uplink-channel on a resource controlling Signaling Connection Control Part (SCCP) to a Mobile Switching Center (MSC), where the destination of the SM is either a Mobile Station International Integrated Services Digital Network Number (MSISDN) or a Voice Group Call – REFERENCE (VGC-REFERENCE).

11. (Previously Presented) The method according to claim 10, wherein by using the MSISDN the SM is forwarded to a short message Service Center (SC) and there it is handled according to normal PtP-SMS.

12. (Canceled)

13. (Previously Presented) A mobile communication system with at least one logical unit for controlling signal exchange between members of a Voice Call Group and with additional functional processing means for transmitting text and/or binary information to one or more users of the Voice Call Group in a network, wherein the text and/or binary information will be addressed by an associated Voice Group Call reference representing a concatenated sequence of a group identification (ID) and a group call area identification (ID).

14. (Previously Presented) The mobile communication system according to claim 13, wherein the text and/or binary information is a short message (SM).

15. (Previously Presented) The mobile communication system according to claim 14, further comprising a Short Message Entity (SME) in the network requests a short message Service Center (SC) to send the SM to members of the VGC, the SC interrogates a Group Call Register (GCR) in order to retrieve routing information of an Anchor - Mobile Switching Center (Anchor-MSC) for this VGC, the SC forwards the SM to the appointed Anchor-MSC for this VGC, the Anchor-MSC itself forwards the SM to all base station subsystems (BSS) partaking in the VGC and in addition to all Relay – Mobile Switching Centers (Relay-MSCs), the Relay-MSCs send the SM to all respective BSS for this VGC, which transmit it to the listeners.

16. (Previously Presented) The mobile communication system according to claim 14, wherein if a talker is sending the SM and during the sending the talker intends to end his speaking, a Mobile Station (MS) will hold uplink until the SM is sent completely to the network.